

CLAIMS

1. Telescopable boring rod mechanism with at least two mutually displaceable Kelly rods, which are equipped with means for transmitting a torque to the adjacent Kelly rod, wherein at least one of the Kelly rods is constructed from at least two rod segments, which are made from a different material.
2. Telescopable boring rod mechanism according to claim 1, wherein a material of the rod segments is a lightweight construction material, particularly carbon fibre-reinforced plastic.
3. Telescopable boring rod mechanism according to claim 1, wherein torque transmission means are constructed on one rod segment, which is made from a steel material.
4. Telescopable boring rod mechanism according to claim 1, wherein the upper end and/or the lower end of the Kelly rod on a rod segment is made from a steel material.
5. Telescopable boring rod mechanism according to claim 1, wherein the rod segments are constructed in tubular manner with an annular cross-section.
6. Telescopable boring rod mechanism according to claim 1, wherein the rod segments have means for transmitting an axial force to adjacent Kelly rods.
7. Telescopable boring rod mechanism according to claim 1, wherein the torque transmission means and/or axial force transmission means have interlocking members.
8. Telescopable boring rod mechanism according to claim 7, wherein the interlocking members comprise beads, locking pockets and/or driving slots.
9. Telescopable boring rod mechanism according to claim 1, wherein axially directed guide rails are provided on the lightweight construction material rod segment.
10. Telescopable boring rod mechanism according to claim 1, wherein the outer Kelly rod is made entirely of metal.

11. Telescopable boring rod mechanism according to claim 1, wherein the outer Kelly rod has a plurality of means for transmitting a torque and/or an axial force and which are located at different heights.